Name of Work: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05

Detailed Measurements

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)							
	RCC Drain							
	Vinayakanagara							
	Behind Balamuri Ganapathi Temple							
	Cross Road 1							
	Ch: 0 to 30m	LHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 55.5m	LHS	1	25.50	1.10	1.00	28.05	
	Cross Road 1							
	Ch: 0 to 30m	RHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 60m	RHS	1	30.00	1.10	1.00	33.00	
	Ch: 60 to 60.6m	RHS	1	0.60	1.10	1.00	0.66	
	Cross Road 2							
	Ch: 0 to 30m	LHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 32m	LHS	1	2.00	1.10	1.00	2.20	
	Culvert Gap							
	Ch: 32 to 60.5m	LHS	1	28.50	1.10	1.00	31.35	
	Ch: 0 to 4.8m	RHS	1	4.80	1.10	1.00	5.28	
	Cross Road 3							
	Ch: 0 to 30m	LHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 54.9m	LHS	1	24.90	1.10	1.00	27.39	
	Cross Road 4							
	Ch: 0 to 30m	RHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 54.9m	RHS	1	24.90	1.10	1.00	27.39	
	Culvert Gap							
	Ch: 54.9 to 84.9m	RHS	1	30.00	1.10	1.00	33.00	
	Ch: 84.9 to 109.7m	RHS	1	24.80	1.10	1.00	27.28	
	Cross Road 5							
	Ch: 0 to 30m	RHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 36.2m	RHS	1	6.20	1.10	1.00	6.82	
	Road Gap							
	Ch: 36.2 to 66.1m	RHS	1	29.90	1.10	1.00	32.89	
	Ch: 0 to 29.8m	LHS	1	29.80	1.10	1.00	32.78	

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Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Cross Road 6							
	Ch: 0 to 30m	LHS	1	30.00	1.10	1.00	33.00	
	Ch: 30 to 60m	LHS	1	30.00	1.10	1.00	33.00	
	Ch: 60 to 72.4m	LHS	1	12.40	1.10	1.00	13.64	
	2nd cross							
	Ch: 0 to 30m	RHS	1	30.00	1.10	1.10	36.30	
	8th main							
	Ch: 0 to 7.30m	LHS	1	7.30	1.10	1.10	8.83	
	Culvert Gap							
	Ch: 7.30 to 22.0m	LHS	1	14.70	1.10	1.10	17.79	
	Ch: 22.0 to 52.0m	LHS	1	30.00	1.10	1.10	36.30	
	Ch: 52.0 to 82.0m	LHS	1	30.00	1.10	1.10	36.30	
	Ch: 82.0 to 99.50m	LHS	1	17.50	1.10	1.10	21.18	
	Ch: 99.50 to 108.90m	LHS	1	9.40	1.10	1.10	11.37	
	3rd cross							
	Ch: 0 to 28.0m	LHS	1	28.00	1.10	1.10	33.88	
	7th main							
	Ch: 0 to 22.6m	RHS	1	22.60	1.10	1.10	27.35	
	Dwarakanagar last Road							
	From SWD Ch: 0 to 8.0m	LHS	1	8.00	1.10	1.10	9.68	
	Culvert Gap							
	Ch: 8.0 to 34.60m	LHS	1	26.60	1.10	1.10	32.19	
	Culvert Gap							
	Ch: 34.60 to 63.70m	LHS	1	29.10	1.10	1.10	35.21	
	Culvert Gap							
	Ch: 63.70 to 93.70m	LHS	1	30.00	1.10	1.10	36.30	
	Ch: 93.70 to 102.10m	LHS	1	8.40	1.10	1.10	10.16	
	Dwarakanagar Main Road							
	Ch: 0 to 7.4m	RHS	1	7.40	1.10	1.10	8.95	
	Babanagar							
	Apartment front		1	14.00	1.10	1.10	16.94	
	Apartment beside		1	29.80	1.20	1.10	39.34	
	Apartment behind		1	24.10	1.20	1.10	31.81	
	Layout Entrance							
	Ch: 0 to 30m	LHS	1	30.00	0.80	1.10	26.40	
	Ch: 30 to 60m	LHS	1	30.00	0.80	1.10	26.40	
	Ch: 60 to 90m	LHS	1	30.00	0.80	1.10	26.40	
	Ch: 90 to 114.5m	LHS	1	24.50	0.80	1.10	21.56	
	Ch: 0 to 30m	RHS	1	30.00	0.80	1.10	26.40	
	Ch: 30 to 60m	RHS	1	30.00	0.80	1.10	26.40	
	Ch: 60 to 90m	RHS	1	30.00	0.80	1.10	26.40	
	Ch: 90 to 114.5m	RHS	1	24.50	0.80	1.10	21.56	
	Culvert							

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Name of Work: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05

Detailed Measurements

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)							
	RCC Drain							
	Vinayakanagara							
	Behind Balamuri Ganapathi Temple							
	Cross Road 1							
	Ch: 0 to 30m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 55.5m	LHS	1	25.50	1.10	0.15	4.21	
	Cross Road 1							
	Ch: 0 to 30m	RHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m	RHS	1	30.00	1.10	0.15	4.95	
	Ch: 60 to 60.6m	RHS	1	0.60	1.10	0.15	0.10	
	Cross Road 2							
	Ch: 0 to 30m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 32m	LHS	1	2.00	1.10	0.15	0.33	
	Culvert Gap							
	Ch: 32 to 60.5m	LHS	1	28.50	1.10	0.15	4.70	
	Ch: 0 to 4.8m	RHS	1	4.80	1.10	0.15	0.79	
	Cross Road 3							
	Ch: 0 to 30m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 54.9m	LHS	1	24.90	1.10	0.15	4.11	
	Cross Road 4							
	Ch: 0 to 30m	RHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 54.9m	RHS	1	24.90	1.10	0.15	4.11	
	Culvert Gap							
	Ch: 54.9 to 84.9m	RHS	1	30.00	1.10	0.15	4.95	
	Ch: 84.9 to 109.7m	RHS	1	24.80	1.10	0.15	4.09	
	Cross Road 5							
	Ch: 0 to 30m	RHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 36.2m	RHS	1	6.20	1.10	0.15	1.02	
	Road Gap							
	Ch: 36.2 to 66.1m	RHS	1	29.90	1.10	0.15	4.93	
	Ch: 0 to 29.8m	LHS	1	29.80	1.10	0.15	4.92	

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Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Cross Road 6							
	Ch: 0 to 30m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 60 to 72.4m	LHS	1	12.40	1.10	0.15	2.05	
	2nd cross							
	Ch: 0 to 30m	RHS	1	30.00	1.10	0.15	4.95	
	8th main							
	Ch: 0 to 7.30m	LHS	1	7.30	1.10	0.15	1.20	
	Culvert Gap							
	Ch: 7.30 to 22.0m	LHS	1	14.70	1.10	0.15	2.43	
	Ch: 22.0 to 52.0m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 52.0 to 82.0m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 82.0 to 99.50m	LHS	1	17.50	1.10	0.15	2.89	
	Ch: 99.50 to 108.90m	LHS	1	9.40	1.10	0.15	1.55	
	3rd cross							
	Ch: 0 to 28.0m	LHS	1	28.00	1.10	0.15	4.62	
	7th main							
	Ch: 0 to 22.6m	RHS	1	22.60	1.10	0.15	3.73	
	Dwarakanagar last Road							
	From SWD Ch: 0 to 8.0m	LHS	1	8.00	1.10	0.15	1.32	
	Culvert Gap							
	Ch: 8.0 to 34.60m	LHS	1	26.60	1.10	0.15	4.39	
	Culvert Gap							
	Ch: 34.60 to 63.70m	LHS	1	29.10	1.10	0.15	4.80	
	Culvert Gap							
	Ch: 63.70 to 93.70m	LHS	1	30.00	1.10	0.15	4.95	
	Ch: 93.70 to 102.10m	LHS	1	8.40	1.10	0.15	1.39	
	Dwarakanagar Main Road							
	Ch: 0 to 7.4m	RHS	1	7.40	1.10	0.15	1.22	
	Babanagar							
	Apartment front		1	14.00	1.10	0.15	2.31	
	Apartment beside		1	29.80	1.20	0.15	5.36	
	Apartment behind		1	24.10	1.20	0.15	4.34	
	Layout Entrance							
	Ch: 0 to 30m	LHS	1	30.00	0.80	0.15	3.60	
	Ch: 30 to 60m	LHS	1	30.00	0.80	0.15	3.60	
	Ch: 60 to 90m	LHS	1	30.00	0.80	0.15	3.60	
	Ch: 90 to 114.5m	LHS	1	24.50	0.80	0.15	2.94	
	Ch: 0 to 30m	RHS	1	30.00	0.80	0.15	3.60	
	Ch: 30 to 60m	RHS	1	30.00	0.80	0.15	3.60	
	Ch: 60 to 90m	RHS	1	30.00	0.80	0.15	3.60	
	Ch: 90 to 114.5m	RHS	1	24.50	0.80	0.15	2.94	

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Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	2nd cross	**RHS**						
	Total Drain length=30.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=300.00Nos		300	2.15		0.61	393.45	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		17	30.00		0.61	311.10	
	8th main	**LHS**						
	Total Drain length=108.9m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1089.00Nos		1089	2.15		0.61	1428.22	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		17	108.90		0.61	1129.29	
	3rd cross	**LHS**						
	Total Drain length=28.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=280.00Nos		280	2.15		0.61	367.22	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		17	28.00		0.61	290.36	
	7th main	**RHS**						
	Total Drain length=22.6m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=226.00Nos		226	2.15		0.61	296.40	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		17	22.60		0.61	234.36	
	Dwarakanagar last Road	**LHS**						
	Total Drain length=102.1m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1021.00Nos		1021	2.20		0.61	1370.18	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		17	102.10		0.61	1058.78	
	Dwarakanagar Main Road	**RHS**						
	Total Drain length=7.4m							
	Main bar 10mm dia bar @ 100mm							

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